

SEQUENCE LISTING

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<110> BURTON, KERRY
CHALLEN, MICHAEL
ELLIOTT, TIMOTHY
SREENIVASAPRASAD, SURAPAREDDY
EASTWOOD, DANIEL
MOLLOY, SHANNON

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<150> PCT/GB2003/004716

<151> 2003-10-31

<150> UK 0225390.4

<151> 2002-10-31

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<170> PatentIn version 3.1

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 90 95 100

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ataggacatc ggtcaacgaa tttcccgtt ctgtcccgtt gcccagccc aaagaacctg	2700
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gatgattgat ccanggttca ag	2782

<210> 9
 <211> 984
 <212> DNA
 <213> *Agaricus bisporus*

<400> 9
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 gtcaagagca tcaagaagac tagaacgacc ggctgttttt ccaccgcaca tcatagcaca 180
 aactgtcata aaccctgtgtt caaaggggaa aaacaggcag agagaaggaa gggacgcgtc 240
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 gcactcctgc atgatcacc caccggcccg cgttttatcg gacatataag gaacaagatt 780
 ccataggtag tggatccctt actccacctc ccgcctactt ttataccaac cccaaatcca 840
 aaggttgaaa aaaaaatttc gacaaggatt tatatatcca tccatccgcg acactttctc 900
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<210> 10
 <211> 1270
 <212> DNA
 <213> *Agaricus bisporus*

<220>
 <221> misc_feature
 <222> (1262)..(1262)
 <223> n is an unknown nucleotide

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 aatatttatt tacagttttt ctgttttttg ttttattgtc gcttggatat aaggtggtat 180
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ggtccaagaa cgcgaaaaga gttcgcaaa agaacagaac actatcgaaa actgcagata	360
cataggtcac acaattaacg acttcccga atagttccct ccaacctctt atcgcgacta	420
ctagcaccaa cggtaacacc aaaagtagct tcaggcctcc tccatccctg tgcattcaca	480
tcccaaatac tcaaatcata cctcgacaag gtcattttta cattcctagt ctctccaggg	540
ccaatcggta cagagtcgaa accgcgtagc acggaaggag gttctccagc agattcaggg	600
aagttaatgt agagttgggg agactcggca cccaaaagtc gaccggtatt cttgacgttg	660
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ggctcaatgc cattctgcaa gagaaaattc agtaagcgaa cgtttccgag agaatcaagc	960
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anggttcaag	1270

<210> 11
 <211> 835
 <212> DNA
 <213> *Agaricus bisporus*

<400> 11	
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aagcagcagg gtgtgtgaca tagcgggaag aaagggtgat gatgatgaga acgaggggta	120
cgatgaggac ggcccatctg aattgacggc caacgcgacg tttccggctg tgagaggaca	180
tggcaaagga gacgggggga ggggcgaggg tggcggagga ggtgctcgtg ccgaattcgg	240
cacgagctca ccatgaaatt cgcaactgct ctctcgcct gccttactgc tgctgctagc	300
gctcarcgcg tctcatcgg atcccctcct gaccaagcaa atctttctgc tggccagaac	360
actacgattc aaattgtact ccgaatttc caatcgtctt cgcaagaagt tgcggtagtg	420
cttgggatca cgtcctgcgc cgtgctccc tgccctgctc cagccgatac gatgggtcgt	480
atcctttaca gcggtcattt caaccgcag agagatcctg caatgcccgc aatgcaagcc	540
tacgaaaatt tcacggtctt cttgccggag aacctgccta agggcgcggc gcagattaac	600
gtttaccatg tcgcacttat cggggccgggt ctcatgccat ggaacgagac gttgtccacc	660

acagctttga ttcagtaatt catcaggat ttgaaatgga ccttttagtag tttactgttt 720
 tgctatcgaa cgattcgrat aattacctga gatcaggctg gtgactgagg cccgtcggag 780
 tgctaccata atggcataat aaaattatac tcagctgaaa aaaaaaaaaa aaaaa 835

<210> 12
 <211> 770
 <212> DNA
 <213> Agaricus bisporus

<400> 12
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 cttttgggca aaccgggatg gcttatcgag cctccagccc cagcagctaa catcgggcag 180
 agaaggaaaa tcatcggcgt tgaattatca ccgtttgggt cctgagtcac ctggagatgt 240
 acgcagatgg tgataccgtg tttgattggc gccgttggag aagaactata ttattcgatg 300
 gattttttgt tcgagtttga cacagagaca gagatgatag aggtttgcta ttgatgtagc 360
 aaaggatcat ttgacgatgg cgcatagggc gatggttatc tttatgtctg gaattataat 420
 atgtattgtt cccactttt cttttatatt tattaatact aattggaagt ttcagttgtt 480
 ggatgagcaa agttggtgca gatagaaact agaattcgga ttcccatatc tgaggtagct 540
 tttccttcog ctggcaatcc tggccacttc gacgtggtga cgcagagggc gcgtgctatt 600
 gttagcacat gccatatgga tcgacgttgc ctctcgtagt tcgcgcctag gctcgctcat 660
 gcctcgatgc atctttcaat tcgggcgttg cgtctcccag gtgcctgtta aaagggcgaa 720
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<210> 13
 <211> 703
 <212> DNA
 <213> Agaricus bisporus

<400> 13
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 cgcactgctc tgactcgcat aaccttaaaa cgcgtggacc cctgttcgg acggccggtt 180
 caggatccgg ggctcaggac acagtaaaat caaaaaact catactttga gagatatgac 240
 ttctcgactt gcgccttcga tggacggaca aattatcccc aggtaccgga tctgtgacac 300
 cgaattagtg cgcgatatta tatatgactt ttgacgggag tctcatacga ccgctcaagt 360
 ccttggggat ggagaatgtc acctcctggt ccaccgggac cagagcatta cccggtcatt 420
 aatctagcgc ttcttgcacg cactcctgca tgatcacccc acgcggccgc gttttatcgg 480

acatataagg aacaagattc cataggtagt ggatccccta ctccacctcc cgcctacttt 540
 tataccaacc ccaaatcca gttgaaaa aaaaatttcg acaaggattt aatccat 600
 ccatccgcga cactttctcg ttgattcta tcccttagtc tttccttctc cccctttcct 660
 tcttcacttc accttgctct aaccgaaagt aaacctttcc gcg 703

<210> 14
 <211> 486
 <212> DNA
 <213> Agaricus bisporus

<220>
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 <222> (4)..(9)
 <223> Restriction site for KpnI

<220>
 <221> misc_feature
 <222> (477)..(482)
 <223> Restriction site for NarI

<220>
 <221> Intron
 <222> (277)..(328)
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<220>
 <221> Intron
 <222> (349)..(408)
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<220>
 <221> Intron
 <222> (415)..(468)
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 tgctgtttcc gcgtctcgaa tgttctcggt gtttaggggt tagcaatctg atatgataat 180
 aatttgatgat gacatcgata gtacaaaaac cccaattccg gtcacatcca ccatctccgt 240
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 ccagcagctc actgatgtcg acttgtaggt taaagttgga atcaacgggt aagtgttttt 360
 gtcgtcgcgc tgtggttccg gatcatctca gactttgggt gtcttgagcgt ttcggtgagt 420
 gaccaccctg cattctgggt atatgcgtga tactgaccat cgctcaaggt cgtatcggcg 480
 ccggcc 486

<210> 15
<211> 57
<212> DNA
<213> Agaricus bisporus

<220>
<221> CDS
<222> (1)..(57)
<223>

<400> 15
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gct gtt ggt 57
Ala Val Gly

<210> 16
<211> 19
<212> PRT
<213> Agaricus bisporus

<400> 16
Met His Phe Ser Leu Ser Phe Ala Thr Leu Ala Leu Leu Val Ala Ser
1 5 10 15

Ala Val Gly

<210> 17
<211> 45
<212> DNA
<213> Agaricus bisporus

<400> 17
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<210> 18
<211> 47
<212> DNA
<213> Agaricus bisporus

<400> 18
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<210> 19
<211> 48
<212> DNA
<213> Agaricus bisporus

<400> 19
gtacgttgaa tcgtacaaga aagtgtaatc atcctgactt tctatcag 48

<210> 20
 <211> 62
 <212> DNA
 <213> Agaricus bisporus

<400> 20
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 ag 62

<210> 21
 <211> 51
 <212> DNA
 <213> Agaricus bisporus

<400> 21
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<210> 22
 <211> 52
 <212> DNA
 <213> Agaricus bisporus

<400> 22
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<210> 23
 <211> 63
 <212> DNA
 <213> Agaricus bisporus

<400> 23
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<210> 24
 <211> 48
 <212> DNA
 <213> Agaricus bisporus

<400> 24
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<210> 25
 <211> 61
 <212> DNA
 <213> Agaricus bisporus

<400> 25
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<210> 26
 <211> 46

<212> DNA
 <213> Agaricus bisporus

 <400> 26
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 <210> 27
 <211> 53
 <212> DNA
 <213> Agaricus bisporus

 <400> 27
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 <210> 28
 <211> 48
 <212> DNA
 <213> Agaricus bisporus

 <400> 28
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 <210> 29
 <211> 53
 <212> DNA
 <213> Agaricus bisporus

 <400> 29
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 <210> 30
 <211> 52
 <212> DNA
 <213> Agaricus bisporus

 <400> 30
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 <210> 31
 <211> 50
 <212> DNA
 <213> Agaricus bisporus

 <400> 31
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 <210> 32
 <211> 45
 <212> DNA
 <213> Agaricus bisporus

 <400> 32
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 <210> 33
 <211> 56

<212> DNA
 <213> Agaricus bisporus

 <400> 33
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 <210> 34
 <211> 55
 <212> DNA
 <213> Agaricus bisporus

 <400> 34
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 <210> 35
 <211> 690
 <212> DNA
 <213> Agaricus bisporus

 <400> 35
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 <210> 36
 <211> 910
 <212> DNA
 <213> Agaricus bisporus

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 aatatttatt tacagttttt ctgttttttg ttttattgtc gcttggatat aaggtgggat 180
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gggtccaagaa cgcgaaaaga agttcgcaaa agaacagaac actatcgaaa agtgcagata 360
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tgtccttgat ccattccct agccgcatca acttctctac ctttgacgtg cactttctta 840
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<210> 37
<211> 800
<212> DNA
<213> Agaricus bisporus

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<220>
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<222> (5)..(9)
<223> Restriction site for BglII

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<220>
<221> misc_feature
<222> (790)..(795)
<223> Restriction site for KpnI

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<220>
<221> misc_feature
<222> (290)..(290)
<223> n is an unknown nucleotide

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<220>
<221> misc_feature
<222> (498)..(498)
<223> n is an unknown nucleotide

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<220>
<221> misc_feature
<222> (589)..(589)
<223> n is an unknown nucleotide

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gttcaggatc tcgataagat acgttcattt gtccaagcag caaagagtgc cttctagtga	180
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agctcatctg caatgcatta atgcattgac tgcaacctag taacgccttn caggctccgg	300
cgaagagaag aatagcttag cagagctatt ttcatTTTTcg ggagacgaga tcaagcagat	360
caacggtcgt caagagacct acgagactga ggaatccgct cttggctcca cgcgactata	420
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atggtataca atagtaacca tgcattggtt cctagtgaat gctccgtaac acccaatacg	660
ccggccgaaa cttttttaca actctcctat gagtcgttta ccagaaatgc acaggtacac	720
ttgttttagag gtaatccttc tttctagaag tcctcgtgta ctgtgtaagc gccactcca	780
catctccacg gtacctgcag	800

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